

(FILE 'HOME' ENTERED AT 12:57:36 ON 03 OCT 2002)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 12:57:52 ON 03 OCT 2002

L1 136516 S SEPSIS
L2 240935 S ALKALINE PHOSPHATASE
L3 211073 S LIPOPOLYSACCHARIDE

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 13:10:07 ON 03 OCT 2002

L4 136516 S SEPSIS
L5 21431 S ENDOTOXEMIA
L6 21 S ALKALINE PHOSPHATASE
L7 240935 S ALKALINE PHOSPHATASE
L8 211087 S LIPOPOLYSACCHARIDE?
L9 5719 S L4 AND L5
L10 148 S L9 AND L7
L11 87 S L10 AND DIAGNOSIS
L12 87 DUP REM L11 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 13:20:54 ON 03 OCT 2002

=>

L12 ANSWER 1 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific for human tumor necrosis factor.alpha. (TNF.alpha.) and are useful in vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated pathologies and conditions, as well as polynucleotides coding for murine and chimeric antibodies, methods of producing the antibody, methods of use of the anti-TNF antibody, or fragment, region or derivative thereof, in immunoassays and immunotherapeutic approaches are provided.

AN 2002:258429 USPATFULL

TI Methods of treating infections with chimeric anti-TNF antibodies

IN Le, Junming, Jackson Heights, NY, UNITED STATES

Vilcek, Jan, New York, NY, UNITED STATES

Daddona, Peter, Menlo Park, CA, UNITED STATES

Ghrayeb, John, Downingtown, PA, UNITED STATES

Knight, David, Berwyn, PA, UNITED STATES

Siegel, Scott, Westborough, MA, UNITED STATES

PA New York University Medical Center and Centocor, Inc. (U.S. corporation)

PI US 2002141996 A1 20021003

AI US 2002-43450 A1 20020110 (10)

RLI Division of Ser. No. US 2001-927703, filed on 10 Aug 2001, PENDING
Continuation of Ser. No. US 2001-756398, filed on 8 Jan 2001, PENDING
Division of Ser. No. US 1998-133119, filed on 12 Aug 1998, GRANTED, Pat. No. US 6277969
Division of Ser. No. US 1995-570674, filed on 11 Dec 1995, ABANDONED
Continuation-in-part of Ser. No. US 1994-324799, filed on 18 Oct 1994, GRANTED, Pat. No. US 5698195
Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb 1994, GRANTED, Pat. No. US 5656272
Continuation-in-part of Ser. No. US 1994-192861, filed on 4 Feb 1994, GRANTED, Pat. No. US 5919452
Continuation-in-part of Ser. No. US 1994-192093, filed on 4 Feb 1994, GRANTED, Pat. No. US 6284471
Continuation-in-part of Ser. No. US 1993-10406, filed on 29 Jan 1993, ABANDONED
Continuation-in-part of Ser. No. US 1993-13413, filed on 2 Feb 1993, ABANDONED
Continuation-in-part of Ser. No. US 1992-943852, filed on 11 Sep 1992, ABANDONED
Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992, ABANDONED
Continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991, ABANDONED

DT Utility

FS APPLICATION

LREP HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133

CLMN Number of Claims: 15

ECL Exemplary Claim: 1

DRWN 37 Drawing Page(s)

LN.CNT 5631

L12 ANSWER 2 OF 87 USPATFULL

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the

production and function of the polypeptides of the present invention.

AN 2002:243576 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002132767 A1 20020919

AI US 2001-764847 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 22665

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:243562 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002132753 A1 20020919

AI US 2001-764864 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)
 US 2000-180628P 20000204 (60)
 US 2000-214886P 20000628 (60)
 US 2000-217487P 20000711 (60)
 US 2000-225758P 20000814 (60)
 US 2000-220963P 20000726 (60)
 US 2000-217496P 20000711 (60)
 US 2000-225447P 20000814 (60)
 US 2000-218290P 20000714 (60)
 US 2000-225757P 20000814 (60)
 US 2000-226868P 20000822 (60)
 US 2000-216647P 20000707 (60)
 US 2000-225267P 20000814 (60)
 US 2000-216880P 20000707 (60)
 US 2000-225270P 20000814 (60)
 US 2000-251869P 20001208 (60)
 US 2000-235834P 20000927 (60)
 US 2000-234274P 20000921 (60)
 US 2000-234223P 20000921 (60)
 US 2000-228924P 20000830 (60)
 US 2000-224518P 20000814 (60)
 US 2000-236369P 20000929 (60)
 US 2000-224519P 20000814 (60)
 US 2000-220964P 20000726 (60)
 US 2000-241809P 20001020 (60)

US	2000-249299P	20001117	(60)
US	2000-236327P	20000929	(60)
US	2000-241785P	20001020	(60)
US	2000-244617P	20001101	(60)
US	2000-225268P	20000814	(60)
US	2000-236368P	20000929	(60)
US	2000-251856P	20001208	(60)
US	2000-251868P	20001208	(60)
US	2000-229344P	20000901	(60)
US	2000-234997P	20000925	(60)
US	2000-229343P	20000901	(60)
US	2000-229345P	20000901	(60)
US	2000-229287P	20000901	(60)
US	2000-229513P	20000905	(60)
US	2000-231413P	20000908	(60)
US	2000-229509P	20000905	(60)
US	2000-236367P	20000929	(60)
US	2000-237039P	20001002	(60)
US	2000-237038P	20001002	(60)
US	2000-236370P	20000929	(60)
US	2000-236802P	20001002	(60)
US	2000-237037P	20001002	(60)
US	2000-237040P	20001002	(60)
US	2000-240960P	20001020	(60)
US	2000-239935P	20001013	(60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 37784

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 4 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated pathologies and conditions, as well as polynucleotides coding for murine and chimeric antibodies, methods of producing the antibody, methods of use of the anti-TNF antibody, or fragment, region or derivative thereof, in immunoassays and immunotherapeutic approaches are provided.

AN 2002:243121 USPATFULL

TI Anti-TNF antibodies and peptides of human tumor necrosis factor

IN Le, Junming, Jackson Heights, NY, UNITED STATES

Vilcek, Jan, New York, NY, UNITED STATES

Daddona, Peter, Menlo Park, CA, UNITED STATES

Ghrayeb, John, Downingtown, PA, UNITED STATES

Knight, David, Berwyn, PA, UNITED STATES

Siegel, Scott, Westborough, MA, UNITED STATES

PA New York University, New York, NY (U.S. corporation)

PI US 2002132307 A1 20020919

AI US 2001-756161 A1 20010108 (9)

RLI Division of Ser. No. US 1998-133119, filed on 12 Aug 1998, UNKNOWN

DT Utility

FS APPLICATION

LREP Carolyn S. Elmore, HAMILTON, BROOK, SMITH & REYNOLDS, P.C., Two Militia Drive, Lexington, MA, 02421-4799

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 37 Drawing Page(s)

LN.CNT 5805

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 5 OF 87 USPATFULL

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

AN 2002:221958 USPATFULL

TI 17 human secreted proteins

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Choi, Gil H., Rockville, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002120103 A1 20020829

AI US 2001-915582 A1 20010727 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US1431, filed on 17 Jan 2001, UNKNOWN

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-231968P 20000912 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20680

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 6 OF 87 USPATFULL

AB The present invention relates to novel colorectal cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "colorectal cancer antigens," and the use of such colorectal cancer antigens for detecting disorders of the colon and/or rectum, particularly the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer associated nucleic acid molecules are provided encoding novel colorectal cancer associated polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:221777 USPATFULL

TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002119919 A1 20020829
AI US 2001-764855 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 19514
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 7 OF 87 USPATFULL

AB The present invention relates to novel human TDC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human TDC polypeptides. The invention further relates to diagnostic and therapeutic methods for diagnosing and treating disorders related to these novel human TDC polypeptides.
AN 2002:221379 USPATFULL
TI Trefoil domain-containing polynucleotides, polypeptides, and antibodies
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002119519 A1 20020829
AI US 2001-891171 A1 20010626 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US34920, filed on 22 Dec 2000, UNKNOWN
PRAI US 1999-171618P 19991223 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12171
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 8 OF 87 USPATFULL

AB The present invention relates to nucleic acid molecules encoding Neutrokin- α and/or Neutrokin- α SV polypeptides, including soluble forms of the extracellular domain. Neutrokin- α and/or Neutrokin- α SV polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to antibodies or portions thereof that specifically bind Neutrokin- α and/or Neutrokin- α SV and diagnostic and therapeutic methods using these antibodies. Also provided are diagnostic methods for detecting immune system-related disorders and therapeutic methods for treating immune system-related disorders using the compositions of the invention.
AN 2002:213736 USPATFULL
TI Neutrokin- α and Neutrokin- α splice variant
IN Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ullrich, Stephen, Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

PI US 2002115112 A1 20020822
AI US 2001-929493 A1 20010815 (9)
RLI Continuation-in-part of Ser. No. US 2000-588947, filed on 8 Jun 2000,
PENDING Continuation-in-part of Ser. No. US 2000-589285, filed on 8 Jun
2000, PENDING Continuation-in-part of Ser. No. US 2000-589286, filed on
8 Jun 2000, PENDING Continuation-in-part of Ser. No. US 2000-589287,
filed on 8 Jun 2000, PENDING Continuation-in-part of Ser. No. US
2000-586288, filed on 2 Jun 2000, PATENTED Continuation-in-part of Ser.
No. US 2000-507968, filed on 22 Feb 2000, PENDING Continuation-in-part
of Ser. No. US 1999-255794, filed on 23 Feb 1999, PENDING
Continuation-in-part of Ser. No. US 1999-255794, filed on 23 Feb 1999,
PENDING

PRAI US 2000-225628P 20000815 (60)
US 2000-227008P 20000823 (60)
US 2000-234338P 20000922 (60)
US 2000-240806P 20001017 (60)
US 2000-250020P 20001130 (60)
US 2001-276248P 20010316 (60)
US 2001-293499P 20010525 (60)
US 2001-296122P 20010607 (60)
US 2001-304809P 20010713 (60)
US 1999-122388P 19990302 (60)
US 1999-124097P 19990312 (60)
US 1999-126599P 19990326 (60)
US 1999-127598P 19990402 (60)
US 1999-130412P 19990416 (60)
US 1999-130696P 19990423 (60)
US 1999-131278P 19990427 (60)
US 1999-131673P 19990429 (60)
US 1999-136784P 19990528 (60)
US 1999-142659P 19990706 (60)
US 1999-145824P 19990727 (60)
US 1999-167239P 19991124 (60)
US 1999-168624P 19991203 (60)
US 1999-171108P 19991216 (60)
US 1999-171626P 19991223 (60)
US 2000-176015P 20000114 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 117

ECL Exemplary Claim: 1

DRWN 22 Drawing Page(s)

LN.CNT 18178

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 9 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific
for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in
vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated
pathologies and conditions, as well as polynucleotides coding for murine
and chimeric antibodies, methods of producing the antibody, methods of
use of the anti-TNF antibody, or fragment, region or derivative thereof,
in immunoassays and immunotherapeutic approaches are provided.

AN 2002:213432 USPATFULL

TI Methods of treating myelodysplastic syndrome with anti-TNF antibodies

IN Le, Junming, Jackson Heights, NY, UNITED STATES

Vilcek, Jan, New York, NY, UNITED STATES

Daddona, Peter, Menlo Park, CA, UNITED STATES

Ghrayeb, John, Downingtown, PA, UNITED STATES

Knight, David, Berwyn, PA, UNITED STATES

Siegel, Scott, Westborough, MA, UNITED STATES

PA New York University Medical Center, New York, NY, UNITED STATES (U.S.
corporation)

PI US 2002114805 A1 20020822
 AI US 2001-10229 A1 20011207 (10)
 RLI Division of Ser. No. US 2001-927703, filed on 10 Aug 2001, PENDING
 Continuation of Ser. No. US 2001-756398, filed on 8 Jan 2001, PENDING
 Division of Ser. No. US 1998-133119, filed on 12 Aug 1998, PATENTED
 Division of Ser. No. US 1995-570674, filed on 11 Dec 1995, ABANDONED
 Continuation-in-part of Ser. No. US 1994-324799, filed on 18 Oct 1994,
 PATENTED Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb
 1994, PATENTED Continuation-in-part of Ser. No. US 1994-192861, filed on
 4 Feb 1994, PATENTED Continuation-in-part of Ser. No. US 1994-192093,
 filed on 4 Feb 1994, PATENTED Continuation-in-part of Ser. No. US
 1993-10406, filed on 29 Jan 1993, ABANDONED Continuation-in-part of Ser.
 No. US 1993-13413, filed on 2 Feb 1993, ABANDONED Continuation-in-part
 of Ser. No. US 1992-943852, filed on 11 Sep 1992, ABANDONED
 Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992,
 ABANDONED Continuation-in-part of Ser. No. US 1991-670827, filed on 18
 Mar 1991, ABANDONED
 DT Utility
 FS APPLICATION
 LREP Carolyn S. Elmore, Esq., HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530
 Virginia Road, P.O. Box 9133, Concord, MA, 01742-9133
 CLMN Number of Claims: 13
 ECL Exemplary Claim: 1
 DRWN 37 Drawing Page(s)
 LN.CNT 5615
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 10 OF 87 USPATFULL
 AB The present invention relates to novel human extracellular matrix
 polypeptides and isolated nucleic acids containing the coding regions of
 the genes encoding such polypeptides. Also provided are vectors, host
 cells, antibodies, and recombinant methods for producing human
 extracellular matrix polypeptides. The invention further relates to
 diagnostic and therapeutic methods useful for diagnosing and treating
 disorders related to these novel human extracellular matrix
 polypeptides.
 AN 2002:198680 USPATFULL
 TI Extracellular matrix polynucleotides, polypeptides, and antibodies
 IN Fiscella, Michele, Bethesda, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 PI US 2002106780 A1 20020808
 AI US 2001-978249 A1 20011017 (9)
 RLI Continuation-in-part of Ser. No. WO 2001-US11643, filed on 11 Apr 2001,
 UNKNOWN
 PRAI US 2000-198123P 20000418 (60)
 DT Utility
 FS APPLICATION
 LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
 CLMN Number of Claims: 22
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 13488
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 11 OF 87 USPATFULL
 AB The present invention relates to novel human Bcl-2-like polypeptides and
 isolated nucleic acids containing the coding regions of the genes
 encoding such polypeptides. Also provided are vectors, host cells,
 antibodies, and recombinant methods for producing human Bcl-2-like
 polypeptides. The invention further relates to diagnostic and
 therapeutic methods useful for diagnosing and treating disorders related
 to these novel human Bcl-2-like polypeptides.

AN 2002:198631 USPATFULL
TI Bcl-2-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PI US 2002106731 A1 20020808
AI US 2001-912599 A1 20010726 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US3080, filed on 31 Jan 2001,
UNKNOWN
PRAI US 2000-179487P 20000201 (60)
US 2000-180697P 20000207 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12354
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 12 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific
for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in
vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated
pathologies and conditions, as well as polynucleotides coding for murine
and chimeric antibodies, methods of producing the antibody, methods of
use of the anti-TNF antibody, or fragment, region or derivative thereof,
in immunoassays and immunotherapeutic approaches are provided.

AN 2002:198278 USPATFULL

TI Anti-TNF antibodies and peptides of human tumor necrosis factor

IN Le, Junming, Jackson Heights, NY, UNITED STATES

Vilcek, Jan, New York, NY, UNITED STATES

Daddona, Peter, Menlo Park, CA, UNITED STATES

Ghrayeb, John, Downingtown, PA, UNITED STATES

Knight, David, Berwyn, PA, UNITED STATES

Siegel, Scott, Westborough, MA, UNITED STATES

PA Centocor, Inc., Malvern, PA, UNITED STATES (U.S. corporation)

PI US 2002106372 A1 20020808

AI US 2001-766535 A1 20010118 (9)

RLI Division of Ser. No. US 1998-133119, filed on 12 Aug 1998, PATENTED
Division of Ser. No. US 1995-570674, filed on 11 Dec 1995, ABANDONED
Continuation-in-part of Ser. No. US 1994-324799, filed on 18 Oct 1994,
PATENTED Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb
1994, PATENTED Continuation-in-part of Ser. No. US 1994-192861, filed on
4 Feb 1994, PATENTED Continuation-in-part of Ser. No. US 1994-192093,
filed on 4 Feb 1994, PATENTED Continuation-in-part of Ser. No. US
1993-10406, filed on 29 Jan 1993, ABANDONED Continuation-in-part of Ser.
No. US 1993-13413, filed on 2 Feb 1993, ABANDONED Continuation-in-part
of Ser. No. US 1992-943852, filed on 11 Sep 1992, ABANDONED
Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992,
ABANDONED Continuation-in-part of Ser. No. US 1991-670827, filed on 18
Mar 1991, ABANDONED

DT Utility

FS APPLICATION

LREP Carolyn S. Elmore, HAMILTON, BROOK, SMITH & REYNOLDS, P.C., Two Militia
Drive, Lexington, MA, 02421-4799

CLMN Number of Claims: 3

ECL Exemplary Claim: 1

DRWN 37 Drawing Page(s)

LN.CNT 5349

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 13 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically,

isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:191573 USPTFULL
 TI Nucleic acids, proteins, and antibodies
 IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002102638 A1 20020801
 AI US 2001-764846 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)
 US 2000-180628P 20000204 (60)
 US 2000-214886P 20000628 (60)
 US 2000-217487P 20000711 (60)
 US 2000-225758P 20000814 (60)
 US 2000-220963P 20000726 (60)
 US 2000-217496P 20000711 (60)
 US 2000-225447P 20000814 (60)
 US 2000-218290P 20000714 (60)
 US 2000-225757P 20000814 (60)
 US 2000-226868P 20000822 (60)
 US 2000-216647P 20000707 (60)
 US 2000-225267P 20000814 (60)
 US 2000-216880P 20000707 (60)
 US 2000-225270P 20000814 (60)
 US 2000-251869P 20001208 (60)
 US 2000-235834P 20000927 (60)
 US 2000-234274P 20000921 (60)
 US 2000-234223P 20000921 (60)
 US 2000-228924P 20000830 (60)
 US 2000-224518P 20000814 (60)
 US 2000-236369P 20000929 (60)
 US 2000-224519P 20000814 (60)
 US 2000-220964P 20000726 (60)
 US 2000-241809P 20001020 (60)
 US 2000-249299P 20001117 (60)
 US 2000-236327P 20000929 (60)
 US 2000-241785P 20001020 (60)
 US 2000-244617P 20001101 (60)
 US 2000-225268P 20000814 (60)
 US 2000-236368P 20000929 (60)
 US 2000-251856P 20001208 (60)
 US 2000-251868P 20001208 (60)
 US 2000-229344P 20000901 (60)
 US 2000-234997P 20000925 (60)
 US 2000-229343P 20000901 (60)
 US 2000-229345P 20000901 (60)
 US 2000-229287P 20000901 (60)
 US 2000-229513P 20000905 (60)
 US 2000-231413P 20000908 (60)
 US 2000-229509P 20000905 (60)
 US 2000-236367P 20000929 (60)
 US 2000-237039P 20001002 (60)
 US 2000-237038P 20001002 (60)
 US 2000-236370P 20000929 (60)

US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 22814

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 14 OF 87 USPATFULL

AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and **diagnosis** assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

AN 2002:191539 USPATFULL

TI Full-length human cDNAs encoding potentially secreted proteins

IN Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE

Bougueleret, Lydie, Petit Lancy, SWITZERLAND

Jobert, Severin, Paris, FRANCE

PI US 2002102604 A1 20020801

AI US 2000-731872 A1 20001207 (9)

PRAI US 1999-169629P 19991208 (60)

US 2000-187470P 20000306 (60)

DT Utility

FS APPLICATION

LREP John Lucas, Ph.D., J.D., Genset Corporation, 10665 Sorento Valley Road, San Diego, CA, 92121-1609

CLMN Number of Claims: 29

ECL Exemplary Claim: 1

DRWN 5 Drawing Page(s)

LN.CNT 28061

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 15 OF 87 USPATFULL

AB The present invention concerns a novel member of the tumor necrosis factor (TNF) family of cytokines. In particular, isolated nucleic acid molecules are provided encoding the endokine alpha protein. Endokine alpha polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. Also provided are diagnostic and therapeutic methods concerning TNF family-related disorders.

AN 2002:186275 USPATFULL

TI HUMAN ENDOKINE ALPHA

IN YU, GUO-LIANG, DARNESTOWN, MD, UNITED STATES

NI, JIAN, ROCKVILLE, MD, UNITED STATES

ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES

PI US 2002099198 A1 20020725

AI US 1999-345790 A1 19990701 (9)

RLI Division of Ser. No. US 1997-912227, filed on 15 Aug 1997, PATENTED

PRAI US 1996-24058P 19960816 (60)

DT Utility

FS APPLICATION

LREP STERNE KESSLER GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE NW, SUITE 600, WASHINGTON, DC, 200053934

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN 3 Drawing Page(s)

LN.CNT 2384

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 16 OF 87 USPATFULL

AB The present invention provides novel genes of the viral genus leporipox that encode novel immunomodulatory proteins. The present invention also provides therapeutic compositions containing these novel polypeptides and methods for use for treating a variety of inflammatory and autoimmune disorders. In one preferred embodiment, the present invention provides methods for producing the novel immunomodulatory polypeptides in a substantially pure form. In another preferred embodiment, the invention provides methods for treating individuals diagnosed with autoimmune or inflammatory disorders by gene therapy. In yet another preferred embodiment, the methods and compositions of the present invention may be used to treat cancer. Finally, the invention provides methods to identifying and isolating additional leporipox virus immunomodulatory polypeptides.

AN 2002:185293 USPATFULL

TI Novel myxoma genes for immune modulation

IN McFadden, Grant, London, CANADA

PI US 2002098201 A1 20020725

AI US 2001-10901 A1 20011206 (10)

RLI Division of Ser. No. US 2000-615041, filed on 12 Jul 2000, PENDING

PRAI US 1999-143317P 19990712 (60)

DT Utility

FS APPLICATION

LREP CLARK & ELBING LLP, 176 FEDERAL STREET, BOSTON, MA, 02110-2214

CLMN Number of Claims: 15

ECL Exemplary Claim: 1

DRWN 42 Drawing Page(s)

LN.CNT 2532

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 17 OF 87 USPATFULL

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:179163 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002094953 A1 20020718

AI US 2001-764860 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 21647

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 18 OF 87 USPATFULL

AB The present invention relates to novel human KTPI polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human KTPI polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human KTPI polypeptides.

AN 2002:171946 USPATFULL
TI Kunitz-type protease inhibitor polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PI US 2002090695 A1 20020711
AI US 2001-858718 A1 20010517 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US31917, filed on 21 Nov 2000, UNKNOWN
PRAI US 1999-166751P 19991122 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12006
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 19 OF 87 USPATFULL

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:171925 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002090674 A1 20020711
AI US 2001-764903 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 21376
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 20 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to

diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:171924 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002090673 A1 20020711
AI US 2001-764898 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
US 2000-225447P 20000814 (60)
US 2000-218290P 20000714 (60)
US 2000-225757P 20000814 (60)
US 2000-226868P 20000822 (60)
US 2000-216647P 20000707 (60)
US 2000-225267P 20000814 (60)
US 2000-216880P 20000707 (60)
US 2000-225270P 20000814 (60)
US 2000-251869P 20001208 (60)
US 2000-235834P 20000927 (60)
US 2000-234274P 20000921 (60)
US 2000-234223P 20000921 (60)
US 2000-228924P 20000830 (60)
US 2000-224518P 20000814 (60)
US 2000-236369P 20000929 (60)
US 2000-224519P 20000814 (60)
US 2000-220964P 20000726 (60)
US 2000-241809P 20001020 (60)
US 2000-249299P 20001117 (60)
US 2000-236327P 20000929 (60)
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US 2000-244617P 20001101 (60)
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US 2000-236368P 20000929 (60)
US 2000-251856P 20001208 (60)
US 2000-251868P 20001208 (60)
US 2000-229344P 20000901 (60)
US 2000-234997P 20000925 (60)
US 2000-229343P 20000901 (60)
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US 2000-229513P 20000905 (60)
US 2000-231413P 20000908 (60)
US 2000-229509P 20000905 (60)
US 2000-236367P 20000929 (60)
US 2000-237039P 20001002 (60)
US 2000-237038P 20001002 (60)
US 2000-236370P 20000929 (60)
US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)

DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 25258
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 21 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:171923 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002090672 A1 20020711

AI US 2001-764853 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

US 2000-251868P 20001208 (60)

US 2000-229344P 20000901 (60)

US	2000-234997P	20000925	(60)
US	2000-229343P	20000901	(60)
US	2000-229345P	20000901	(60)
US	2000-229287P	20000901	(60)
US	2000-229513P	20000905	(60)
US	2000-231413P	20000908	(60)
US	2000-229509P	20000905	(60)
US	2000-236367P	20000929	(60)
US	2000-237039P	20001002	(60)
US	2000-237038P	20001002	(60)
US	2000-236370P	20000929	(60)
US	2000-236802P	20001002	(60)
US	2000-237037P	20001002	(60)
US	2000-237040P	20001002	(60)
US	2000-240960P	20001020	(60)
US	2000-239935P	20001013	(60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 35378

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 22 OF 87 USPATFULL

AB The present invention relates to novel lung related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "lung antigens," and the use of such lung antigens for detecting disorders of the lung, particularly the presence of lung cancer and lung cancer metastases. More specifically, isolated lung associated nucleic acid molecules are provided encoding novel lung associated polypeptides. Novel lung polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lung associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:171866 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002090615 A1 20020711

AI US 2001-764878 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
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US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
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US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 19407

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 23 OF 87 USPATFULL

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of

polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:165194 USPTFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086823 A1 20020704
AI US 2001-764889 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 17471
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 24 OF 87 USPTFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:165193 USPTFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086822 A1 20020704
AI US 2001-764886 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
US 2000-225447P 20000814 (60)
US 2000-218290P 20000714 (60)
US 2000-225757P 20000814 (60)
US 2000-226868P 20000822 (60)
US 2000-216647P 20000707 (60)
US 2000-225267P 20000814 (60)
US 2000-216880P 20000707 (60)
US 2000-225270P 20000814 (60)
US 2000-251869P 20001208 (60)
US 2000-235834P 20000927 (60)
US 2000-234274P 20000921 (60)
US 2000-234223P 20000921 (60)
US 2000-228924P 20000830 (60)
US 2000-224518P 20000814 (60)
US 2000-236369P 20000929 (60)
US 2000-224519P 20000814 (60)

US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20931

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 25 OF 87 USPATFULL

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:165192 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086821 A1 20020704

AI US 2001-764881 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 27531
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 26 OF 87 USPATFULL

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:165191 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086820 A1 20020704

AI US 2001-764862 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17727

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 27 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:165182 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086811 A1 20020704
AI US 2001-764861 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
US 2000-225447P 20000814 (60)
US 2000-218290P 20000714 (60)
US 2000-225757P 20000814 (60)
US 2000-226868P 20000822 (60)
US 2000-216647P 20000707 (60)
US 2000-225267P 20000814 (60)
US 2000-216880P 20000707 (60)
US 2000-225270P 20000814 (60)
US 2000-251869P 20001208 (60)
US 2000-235834P 20000927 (60)
US 2000-234274P 20000921 (60)
US 2000-234223P 20000921 (60)
US 2000-228924P 20000830 (60)
US 2000-224518P 20000814 (60)
US 2000-236369P 20000929 (60)
US 2000-224519P 20000814 (60)
US 2000-220964P 20000726 (60)
US 2000-241809P 20001020 (60)
US 2000-249299P 20001117 (60)
US 2000-236327P 20000929 (60)
US 2000-241785P 20001020 (60)
US 2000-244617P 20001101 (60)
US 2000-225268P 20000814 (60)
US 2000-236368P 20000929 (60)
US 2000-251856P 20001208 (60)
US 2000-251868P 20001208 (60)
US 2000-229344P 20000901 (60)
US 2000-234997P 20000925 (60)
US 2000-229343P 20000901 (60)
US 2000-229345P 20000901 (60)
US 2000-229287P 20000901 (60)
US 2000-229513P 20000905 (60)
US 2000-231413P 20000908 (60)
US 2000-229509P 20000905 (60)
US 2000-236367P 20000929 (60)
US 2000-237039P 20001002 (60)
US 2000-237038P 20001002 (60)
US 2000-236370P 20000929 (60)
US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 22023

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 28 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:164735 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086353 A1 20020704

AI US 2001-764856 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

US 2000-251868P 20001208 (60)

US 2000-229344P 20000901 (60)

US 2000-234997P 20000925 (60)

US 2000-229343P 20000901 (60)

US 2000-229345P 20000901 (60)

US 2000-229287P 20000901 (60)

US 2000-229513P 20000905 (60)

US 2000-231413P 20000908 (60)

US 2000-229509P 20000905 (60)

US 2000-236367P 20000929 (60)

US 2000-237039P 20001002 (60)

US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 23314

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 29 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:164712 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086330 A1 20020704

AI US 2001-764893 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 25862

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 30 OF 87 USPATFULL

AB The present invention relates to novel pancreatic related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "pancreatic antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such pancreatic polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the pancreas, including, but not limited to, the presence of pancreatic cancer and pancreatic cancer metastases. More specifically, isolated pancreatic nucleic acid molecules are provided encoding novel pancreatic polypeptides. Novel pancreatic polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human pancreatic polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the pancreas, including pancreatic cancer, and therapeutic methods for treating such disorders. The invention further relates to screening

methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

AN 2002:157060 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002081659 A1 20020627
AI US 2001-925297 A1 20010810 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US5989, filed on 8 Mar 2000,
UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 20326
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 31 OF 87 USPATFULL

AB The present invention relates to novel human FDCC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human FDCC polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human FDCC polypeptides.

AN 2002:157008 USPATFULL
TI Four disulfide core domain-containing (FDCC) polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002081607 A1 20020627
AI US 2001-874062 A1 20010606 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US32462, filed on 29 Nov 2000,
UNKNOWN
PRAI US 1999-168229P 19991201 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 11572
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 32 OF 87 USPATFULL

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

AN 2002:149306 USPATFULL
TI ADAM polynucleotides, polypeptides, and antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002077465 A1 20020620
AI US 2001-945676 A1 20010905 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US5497, filed on 22 Feb 2001,

UNKNOWN
PRAI US 2000-187937P 20000303 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12287
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 33 OF 87 USPATFULL

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

AN 2002:149131 USPATFULL

TI 28 human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES

PI US 2002077287 A1 20020620

AI US 2001-852659 A1 20010511 (9)

RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,
UNKNOWN

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17779

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 34 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:149114 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002077270 A1 20020620
AI US 2001-764848 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
US 2000-225447P 20000814 (60)
US 2000-218290P 20000714 (60)
US 2000-225757P 20000814 (60)
US 2000-226868P 20000822 (60)
US 2000-216647P 20000707 (60)
US 2000-225267P 20000814 (60)
US 2000-216880P 20000707 (60)
US 2000-225270P 20000814 (60)
US 2000-251869P 20001208 (60)
US 2000-235834P 20000927 (60)
US 2000-234274P 20000921 (60)
US 2000-234223P 20000921 (60)
US 2000-228924P 20000830 (60)
US 2000-224518P 20000814 (60)
US 2000-236369P 20000929 (60)
US 2000-224519P 20000814 (60)
US 2000-220964P 20000726 (60)
US 2000-241809P 20001020 (60)
US 2000-249299P 20001117 (60)
US 2000-236327P 20000929 (60)
US 2000-241785P 20001020 (60)
US 2000-244617P 20001101 (60)
US 2000-225268P 20000814 (60)
US 2000-236368P 20000929 (60)
US 2000-251856P 20001208 (60)
US 2000-251868P 20001208 (60)
US 2000-229344P 20000901 (60)
US 2000-234997P 20000925 (60)
US 2000-229343P 20000901 (60)
US 2000-229345P 20000901 (60)
US 2000-229287P 20000901 (60)
US 2000-229513P 20000905 (60)
US 2000-231413P 20000908 (60)
US 2000-229509P 20000905 (60)
US 2000-236367P 20000929 (60)
US 2000-237039P 20001002 (60)
US 2000-237038P 20001002 (60)
US 2000-236370P 20000929 (60)
US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20057

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 35 OF 87 USPATFULL

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

AN 2002:148614 USPATFULL

TI 28 human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Li, Yi, Sunnyvale, CA, UNITED STATES
 Zeng, Zhizhen, Lansdale, PA, UNITED STATES
 Kyaw, Hla, Frederick, MD, UNITED STATES
 Fischer, Carrie L., Burke, VA, UNITED STATES
 Li, Haodong, Gaithersburg, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 Gentz, Reiner L., Rockville, MD, UNITED STATES
 Wei, Ying-Fei, Berkeley, CA, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Painted Post, NY, UNITED STATES

PI US 2002076756 A1 20020620

AI US 2001-853161 A1 20010511 (9)

PRAI US 2001-265583P 20010202 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17788

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 36 OF 87 USPATFULL

AB The present invention relates to novel human transferrin polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human transferrin polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human transferrin polypeptides.

AN 2002:141609 USPATFULL

TI Transferrin polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PI US 2002072596 A1 20020613

AI US 2001-891126 A1 20010626 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US34769, filed on 21 Dec 2000, UNKNOWN

PRAI US 1999-171595P 19991223 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12048

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 37 OF 87 USPATFULL

AB The present invention relates to novel human PTPase polypeptides and

isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human PTPase polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human PTPase polypeptides.

AN 2002:126332 USPTFULL
TI Human protein tyrosine phosphatase polynucleotides, polypeptides, and antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002064844 A1 20020530
AI US 2001-906779 A1 20010718 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US1563, filed on 17 Jan 2001, UNKNOWN
PRAI US 2000-176306P 20000118 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12129
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 38 OF 87 USPTFULL

AB The present invention relates to novel human cytokine receptor-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human cytokine receptor-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human cytokine receptor-like polypeptides.

AN 2002:126314 USPTFULL
TI Cytokine receptor-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002064826 A1 20020530
AI US 2001-874069 A1 20010606 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US32525, filed on 30 Nov 2000, UNKNOWN
PRAI US 1999-168621P 19991203 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12089
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 39 OF 87 USPTFULL

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

AN 2002:126306 USPTFULL
TI 52 human secreted proteins
IN Ni, Jian, Germantown, MD, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES

PI US 2002064818 A1 20020530
AI US 2001-789561 A1 20010222 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US24008, filed on 31 Aug 2000,
UNKNOWN
PRAI US 1999-152317P 19990903 (60)
US 1999-152315P 19990903 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 24623
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 40 OF 87 USPATFULL

AB The present invention relates to novel cardiovascular system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cardiovascular system antigens," and the use of such cardiovascular system antigens for detecting disorders of the cardiovascular system, particularly the presence of cancer of cardiovascular system tissues and cancer metastases. More specifically, isolated cardiovascular system associated nucleic acid molecules are provided encoding novel cardiovascular system associated polypeptides. Novel cardiovascular system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human cardiovascular system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the cardiovascular system, including cancer of cardiovascular system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:119538 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002061521 A1 20020523
AI US 2001-764869 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 27967

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 41 OF 87 USPATFULL

AB The present invention relates to novel colorectal cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "colorectal cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such colorectal cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the colon and/or rectum, including, but not limited to, the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer nucleic acid molecules are provided encoding novel colorectal cancer polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

AN 2002:106416 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002055627 A1 20020509

AI US 2001-925299 A1 20010810 (9)

RLI Continuation of Ser. No. WO 2000-US5883, filed on 8 Mar 2000, UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20658

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 42 OF 87 USPATFULL

AB The present invention relates to novel human MIP-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human MIP-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human MIP-like polypeptides.

AN 2002:105937 USPATFULL

TI Major intrinsic protein (MIP)-like polynucleotides, polypeptides, and antibodies

IN Ruben, Steven A., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

PI US 2002055142 A1 20020509

AI US 2001-862419 A1 20010523 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US31919, filed on 21 Nov 2000, UNKNOWN

PRAI US 1999-167247P 19991124 (60)

DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 11747
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 43 OF 87 USPATFULL

AB This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and treatment of tissue specific disorders, particularly the presense of cancer. This invention relates to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and/or function of the polypeptides of the present invention.

AN 2002:99407 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002052308 A1 20020502
AI US 2001-925301 A1 20010810 (9)
RLI Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 30577
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 44 OF 87 USPATFULL

AB The present invention relates to novel human KDC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human KDC polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human KDC polypeptides.

AN 2002:99088 USPATFULL
TI Kringle domain-containing polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002051984 A1 20020502
AI US 2001-848288 A1 20010504 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US30664, filed on 8 Nov 2000, UNKNOWN
PRAI US 1999-164853P 19991112 (60)
DT Utility
FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12041
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 45 OF 87 USPATFULL

AB The present invention relates to novel ovarian related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "ovarian antigens," and the use of such ovarian antigens for detecting disorders of the ovaries and/or breast, particularly the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian associated nucleic acid molecules are provided encoding novel ovarian associated polypeptides. Novel ovarian polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:85190 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Rubin, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002045230 A1 20020418

AI US 2001-908711 A1 20010720 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US1360, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764867, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1344, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764892, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1345, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764888, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1329, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764905, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764891, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1339, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764869, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1340, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764874, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1334, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764898, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1320, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764853, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764902, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1239, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764870, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1348, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764882, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1347, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764896, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1307, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764864, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.

No. WO 2001-US1341, filed on 17 Jan 2001, UNKNOWN Continuation-in-part
of Ser. No. US 2001-764856, filed on 17 Jan 2001, UNKNOWN
Continuation-in-part of Ser. No. WO 2001-US1336, filed on 17 Jan 2001,
UNKNOWN Continuation-in-part of Ser. No. US 2001-764868, filed on 17 Jan
2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1312, filed on
17 Jan 2001, UNKNOWN

PRAI	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-251868P	20001208 (60)
	US 2000-232398P	20000914 (60)
	US 2000-249300P	20001117 (60)
	US 2000-251990P	20001208 (60)
	US 2000-250160P	20001201 (60)
	US 2000-209467P	20000607 (60)
	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)
	US 2000-229287P	20000901 (60)
	US 2000-229513P	20000905 (60)
	US 2000-231413P	20000908 (60)
	US 2000-229509P	20000905 (60)
	US 2000-236367P	20000929 (60)
	US 2000-237039P	20001002 (60)
	US 2000-237038P	20001002 (60)
	US 2000-236370P	20000929 (60)
	US 2000-236802P	20001002 (60)
	US 2000-237037P	20001002 (60)
	US 2000-237040P	20001002 (60)
	US 2000-240960P	20001020 (60)
	US 2000-239935P	20001013 (60)

US 2000-239937P	20001013 (60)
US 2000-241787P	20001020 (60)
US 2000-246474P	20001108 (60)
US 2000-246532P	20001108 (60)
US 2000-249216P	20001117 (60)
US 2000-249210P	20001117 (60)
US 2000-226681P	20000822 (60)
US 2000-225759P	20000814 (60)
US 2000-225213P	20000814 (60)
US 2000-227182P	20000822 (60)
US 2000-225214P	20000814 (60)
US 2000-235836P	20000927 (60)
US 2000-230438P	20000906 (60)
US 2000-215135P	20000630 (60)
US 2000-225266P	20000814 (60)
US 2000-249218P	20001117 (60)
US 2000-249208P	20001117 (60)
US 2000-249213P	20001117 (60)
US 2000-249212P	20001117 (60)
US 2000-249207P	20001117 (60)
US 2000-249245P	20001117 (60)
US 2000-249244P	20001117 (60)
US 2000-249217P	20001117 (60)
US 2000-249211P	20001117 (60)
US 2000-249215P	20001117 (60)
US 2000-249264P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-249297P	20001117 (60)
US 2000-232400P	20000914 (60)
US 2000-231242P	20000908 (60)
US 2000-232081P	20000908 (60)
US 2000-232080P	20000908 (60)
US 2000-231414P	20000908 (60)
US 2000-231244P	20000908 (60)
US 2000-233064P	20000914 (60)
US 2000-233063P	20000914 (60)
US 2000-232397P	20000914 (60)
US 2000-232399P	20000914 (60)
US 2000-232401P	20000914 (60)
US 2000-241808P	20001020 (60)
US 2000-241826P	20001020 (60)
US 2000-241786P	20001020 (60)
US 2000-241221P	20001020 (60)
US 2000-246475P	20001108 (60)
US 2000-231243P	20000908 (60)
US 2000-233065P	20000914 (60)
US 2000-232398P	20000914 (60)
US 2000-234998P	20000925 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249209P	20001117 (60)
US 2000-246527P	20001108 (60)
US 2000-246523P	20001108 (60)
US 2000-246524P	20001108 (60)
US 2000-246478P	20001108 (60)
US 2000-246609P	20001108 (60)
US 2000-246613P	20001108 (60)
US 2000-249300P	20001117 (60)
US 2000-249265P	20001117 (60)
US 2000-246610P	20001108 (60)
US 2000-246611P	20001108 (60)

US 2000-230437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251030P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256719P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-254097P	20001211 (60)
US 2000-231968P	20000912 (60)
US 2000-226279P	20000818 (60)
US 2000-186350P	20000302 (60)
US 2000-184664P	20000224 (60)
US 2000-189874P	20000316 (60)
US 2000-198123P	20000418 (60)
US 2000-227009P	20000823 (60)
US 2000-235484P	20000926 (60)
US 2000-190076P	20000317 (60)
US 2000-209467P	20000607 (60)
US 2000-205515P	20000519 (60)
US 2001-259678P	20010105 (60)
US 2000-179065P	20000131 (60)
US 2000-180628P	20000204 (60)
US 2000-214886P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
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US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
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US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)

US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)
US 2000-239937P	20001013 (60)
US 2000-241787P	20001020 (60)
US 2000-246474P	20001108 (60)
US 2000-246532P	20001108 (60)
US 2000-249216P	20001117 (60)
US 2000-249210P	20001117 (60)
US 2000-226681P	20000822 (60)
US 2000-225759P	20000814 (60)
US 2000-225213P	20000814 (60)
US 2000-227182P	20000822 (60)
US 2000-225214P	20000814 (60)
US 2000-235836P	20000927 (60)
US 2000-230438P	20000906 (60)
US 2000-215135P	20000630 (60)
US 2000-225266P	20000814 (60)
US 2000-249218P	20001117 (60)
US 2000-249208P	20001117 (60)
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US 2000-249212P	20001117 (60)
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US 2000-249245P	20001117 (60)
US 2000-249244P	20001117 (60)
US 2000-249217P	20001117 (60)
US 2000-249211P	20001117 (60)
US 2000-249215P	20001117 (60)
US 2000-249264P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-249297P	20001117 (60)
US 2000-232400P	20000914 (60)
US 2000-231242P	20000908 (60)
US 2000-232081P	20000908 (60)
US 2000-232080P	20000908 (60)
US 2000-231414P	20000908 (60)
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DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 24462

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 46 OF 87 USPATFULL

AB The present invention relates to novel lung cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "lung cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such lung cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the lung, including, but not limited to, the presence of lung cancer and lung cancer metastases. More specifically, isolated lung cancer nucleic acid molecules are provided encoding novel lung cancer polypeptides. Novel lung cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lung cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

AN 2002:84902 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002044941 A1 20020418

AI US 2001-925302 A1 20010810 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US5918, filed on 8 Mar 2000, UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 21121

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 47 OF 87 USPATFULL

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

AN 2002:78729 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002042386 A1 20020411

AI US 2001-764870 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

US 2000-251868P 20001208 (60)

US 2000-229344P 20000901 (60)

US 2000-234997P 20000925 (60)

US 2000-229343P 20000901 (60)

US 2000-229345P 20000901 (60)

US 2000-229287P 20000901 (60)

US 2000-229513P 20000905 (60)

US 2000-231413P 20000908 (60)

US 2000-229509P 20000905 (60)

US 2000-236367P 20000929 (60)

US 2000-237039P 20001002 (60)

US 2000-237038P 20001002 (60)

US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 23133

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 48 OF 87 USPATFULL

AB The present invention relates to novel liver related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "liver antigens," and the use of such liver antigens for detecting disorders of the liver, particularly the presence of cancer of liver and cancer metastases. More specifically, isolated liver associated nucleic acid molecules are provided encoding novel liver associated polypeptides. Novel liver polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human liver associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the liver, including cancer of liver tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

AN 2002:78442 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002042096 A1 20020411

AI US 2001-764887 A1 20010117 (9)

PRAI	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)

US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 19583

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 49 OF 87 USPATFULL

AB The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast, including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast nucleic acid molecules are provided encoding novel ovarian and/or breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

AN 2002:72627 USPATFULL

TI Nucleic, acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002039764 A1 20020404
AI US 2001-925298 A1 20010810 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US5881, filed on 8 Mar 2000,
UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 20087
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 50 OF 87 USPATFULL

AB The present invention relates to novel human IL-6-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human IL-6-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human IL-6-like polypeptides.
AN 2002:66870 USPATFULL
TI IL-6-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002037523 A1 20020328
AI US 2001-875016 A1 20010607 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US33134, filed on 7 Dec 2000,
UNKNOWN
PRAI US 1999-169838P 19991209 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 11587
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 51 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated pathologies and conditions, as well as polynucleotides coding for murine and chimeric antibodies, methods of producing the antibody, methods of use of the anti-TNF antibody, or fragment, region or derivative thereof, in immunoassays and immunotherapeutic approaches are provided.
AN 2002:38000 USPATFULL
TI Anti-TNF antibodies and peptides of human tumor necrosis factor
IN Le, Junming, Jackson Heights, NY, UNITED STATES
Vilcek, Jan, New York, NY, UNITED STATES
Daddona, Peter, Menlo Park, CA, UNITED STATES
Ghrayeb, John, Downingtown, PA, UNITED STATES
Knight, David, Berwyn, PA, UNITED STATES
Siegel, Scott, Westborough, MA, UNITED STATES
PA New York University Medical Center, New York, NY (U.S. corporation)
PI US 2002022720 A1 20020221
AI US 2001-927703 A1 20010810 (9)
RLI Continuation of Ser. No. US 2001-756398, filed on 8 Jan 2001, PENDING
Division of Ser. No. US 1998-133119, filed on 12 Aug 1998, GRANTED, Pat. No. US 6277969
Division of Ser. No. US 1995-570674, filed on 11 Dec 1995, ABANDONED
Continuation-in-part of Ser. No. US 1994-324799, filed

on 18 Oct 1994, GRANTED, Pat. No. US 5698195 Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb 1994, GRANTED, Pat. No. US 5656272 Continuation-in-part of Ser. No. US 1994-192861, filed on 4 Feb 1994, GRANTED, Pat. No. US 5919452 Continuation-in-part of Ser. No. US 1994-192093, filed on 4 Feb 1994, GRANTED, Pat. No. US 6284471 Continuation-in-part of Ser. No. US 1993-10406, filed on 29 Jan 1993, ABANDONED Continuation-in-part of Ser. No. US 1993-13413, filed on 2 Feb 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-943852, filed on 11 Sep 1992, ABANDONED Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992, ABANDONED Continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991, ABANDONED

DT Utility
FS APPLICATION
LREP Carolyn S. Elmore, HAMILTON, BROOK, SMITH & REYNOLDS, P.C., Two Militia Drive, Lexington, MA, 02421-4799
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 37 Drawing Page(s)
LN.CNT 5594
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 52 OF 87 USPATFULL

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

AN 2002:22131 USPATFULL
TI 18 Human secreted proteins
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002012966 A1 20020131
AI US 2001-768826 A1 20010125 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US22350, filed on 15 Aug 2000, UNKNOWN

PRAI US 1999-148759P 19990816 (60)

DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 18157
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 53 OF 87 USPATFULL

AB The present invention relates to novel human uteroglobin-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human uteroglobin-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human uteroglobin-like polypeptides.

AN 2002:12261 USPATFULL
TI Uteroglobin-like polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002006640 A1 20020117
AI US 2001-846258 A1 20010502 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US30326, filed on 3 Nov 2000,
UNKNOWN
PRAI US 1999-163395P 19991104 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12076
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 54 OF 87 USPTFULL

AB The present invention relates to three novel peptidoglycan recognition binding proteins expressed by keratinocytes, wound-healing tissues and chondrosarcoma tissue. More specifically, isolated nucleic acid molecules are provided encoding human peptidoglycan recognition protein-related proteins, referred to herein as PGRP-K (Keratinocytes), PGRP-W (Wound-healing), and PGRP-C (Chondrosarcoma) of FIGS. 1A-B, FIGS. 2A-C, and FIG. 3, respectively, each having homology to both human peptidoglycan recognition protein (PGRP) as well as murine Tag-7. PGRP-K, PGRP-W, and PGRP-C polypeptides are also provided. Further provided are vectors, host cells and recombinant methods for producing the same. The invention also relates to both the inhibition and enhancement of activities of PGRP-K, PGRP-W, and PGRP-c polypeptides and diagnostic methods for detecting PGRP-K, PGRP-W, and PGRP-C gene expression.

AN 2002:224702 USPTFULL

TI Peptidoglycan recognition proteins

IN Young, Paul E., Gaithersburg, MD, United States
Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Olsen, Henrik S., Gaithersburg, MD, United States

PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

PI US 6444790 B1 20020903

AI US 1999-469242 19991222 (9)

PRAI US 1998-113809P 19981223 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Caputa, Anthony C.; Assistant Examiner: Nickol, Gary B.

LREP Human Genome Sciences, Inc.

CLMN Number of Claims: 79

ECL Exemplary Claim: 1

DRWN 11 Drawing Figure(s); 11 Drawing Page(s)

LN.CNT 6587

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 55 OF 87 USPTFULL

AB This invention provides hybridoma cell lines producing monoclonal antibodies which inhibit CD14 mediated cell activation. Monoclonal antibodies produced by these cell lines also are provided. The antibodies are useful for the detection of the presence of cell surface and soluble CD14 in a sample. Chimeric and CDR grafted antibodies generated from the above monoclonal antibodies are further provided. Pharmaceutical compositions containing the above biological compositions are provided. These are useful to treat and prevent disorders with CD14 mediated cell activation, such as **sepsis**.

AN 2002:224260 USPTFULL

TI Methods and compositions for inhibiting CD14 mediated cell activation

IN Leturcq, Didier J., San Diego, CA, United States
Moriarty, Ann M., Poway, CA, United States
Ulevitch, Richard J., Del Mar, CA, United States

Tobias, Peter S., San Diego, CA, United States
Mathison, John C., San Diego, CA, United States
PA The Scripps Research Institute, La Jolla, CA, United States (U.S.
corporation)
PI US 6444206 B1 20020903
AI US 1998-170769 19981013 (9)
RLI Continuation of Ser. No. US 373297, now patented, Pat. No. US 5820858
Continuation-in-part of Ser. No. US 1993-70160, filed on 28 May 1993,
now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Duffy, Patricia A.
LREP Gray Cary Ware & Freidenrich LLP, Haile, Lisa A.
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN 53 Drawing Figure(s); 28 Drawing Page(s)
LN.CNT 1829
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 56 OF 87 USPATFULL

AB The present invention concerns a novel member of the tumor necrosis
factor (TNF) family of cytokines. In particular, isolated nucleic acid
molecules are provided encoding the endokine alpha protein. Endokine
alpha polypeptides are also provided, as are vectors, host cells and
recombinant methods for producing the same. Antibodies and antibody
fragments which specifically bind the polypeptides of the invention are
also provided, as well as methods for detecting the polypeptides of the
invention using said antibodies and antibody fragments. Also provided
are diagnostic and therapeutic methods concerning TNF family-related
disorders.
AN 2002:144087 USPATFULL
TI Antibody to human endokine alpha and methods of use
IN Yu, Guo-Liang, Berkeley, CA, United States
Ni, Jian, Rockville, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6406867 B1 20020618
AI US 2000-513584 20000225 (9)
RLI Continuation-in-part of Ser. No. US 1999-345790, filed on 1 Jul 1999
Division of Ser. No. US 1997-912227, filed on 15 Aug 1997, now patented,
Pat. No. US 5998171
PRAI US 1999-136788P 19990528 (60)
US 1999-122099P 19990226 (60)
US 1996-24058P 19960816 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Mertz, Prema
LREP Sterne, Kessler, Goldstein & Fox P.L.L.C.
CLMN Number of Claims: 56
ECL Exemplary Claim: 1
DRWN 4 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 8722
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 57 OF 87 USPATFULL

AB The present invention relates to a novel Neutrokine-alpha, and a splice
variant thereof designated Neutrokine-alphaSV, polynucleotides and
polypeptides which are members of the TNF family. In particular,
isolated nucleic acid molecules are provided encoding the human
Neutrokine-alpha and/or Neutrokine-alphaSV polypeptides, including
soluble forms of the extracellular domain. Neutrokine-alpha and/or
Neutrokine-alphaSV polypeptides are also provided as are vectors, host
cells and recombinant methods for producing the same. The invention

further relates to screening methods for identifying agonists and antagonists of Neutrokin-alpha and/or Neutrokin-alphaSV activity. Also provided are diagnostic methods for detecting immune system-related disorders and therapeutic methods for treating immune system-related disorders.

AN 2002:137146 USPTFULL
TI Antibodies to neutrokin-alpha
IN Yu, Guo-Liang, Berkeley, CA, United States
Ebner, Reinhard, Gaithersburg, MD, United States
Ni, Jian, Rockville, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)
PI US 6403770 B1 20020611
AI US 2000-589287 20000608 (9)
RLI Continuation of Ser. No. US 2000-507968, filed on 22 Feb 2000
Continuation-in-part of Ser. No. US 1999-255794, filed on 23 Feb 1999
Continuation-in-part of Ser. No. US 1998-5874, filed on 12 Jan 1998
Continuation-in-part of Ser. No. WO 1996-US17957, filed on 25 Oct 1996
PRAI US 2000-176015P 20000114 (60)
US 1999-171626P 19991223 (60)
US 1999-171108P 19991216 (60)
US 1999-168624P 19991203 (60)
US 1999-167239P 19991124 (60)
US 1999-145824P 19990727 (60)
US 1999-142659P 19990706 (60)
US 1999-136784P 19990528 (60)
US 1999-131673P 19990429 (60)
US 1999-131278P 19990427 (60)
US 1999-130696P 19990423 (60)
US 1999-130412P 19990416 (60)
US 1999-127598P 19990402 (60)
US 1999-126599P 19990326 (60)
US 1999-124097P 19990312 (60)
US 1999-122388P 19990302 (60)
US 1997-36100P 19970114 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Kunz, Gary L.; Assistant Examiner: Prasad, Sarada C
LREP Human Genome Sciences, Inc.
CLMN Number of Claims: 292
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 22 Drawing Page(s)
LN.CNT 15430
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 58 OF 87 USPTFULL
AB Methods and kits for detecting polymorphism that are predictive of a subject's susceptibility to developing **sepsis** are described.
AN 2001:188400 USPTFULL
TI Methods for diagnosing **sepsis**
IN diGiovine, Francesco Saverio, Ranmoor, Great Britain
Duff, Gordon W., Sheffield, Great Britain
PA Interleukin Genetics, Inc. (non-U.S. corporation)
PI US 2001034032 A1 20011025
AI US 2001-852948 A1 20010510 (9)
RLI Continuation of Ser. No. US 1998-183850, filed on 30 Oct 1998, GRANTED, Pat. No. US 6251598
DT Utility
FS APPLICATION
LREP Patent Group, Foley Hoag, LLP, One Post Office Square, Boston, MA, 02109-2170
CLMN Number of Claims: 8
ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1215

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 59 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated pathologies and conditions, as well as polynucleotides coding for murine and chimeric antibodies, methods of producing the antibody, methods of use of the anti-TNF antibody, or fragment, region or derivative thereof, in immunoassays and immunotherapeutic approaches are provided.

AN 2001:171199 USPATFULL

TI Anti-TNF antibodies and peptides of human tumor necrosis factor

IN Le, Junming, Jackson Heights, NY, United States

Vilcek, Jan, New York, NY, United States

Daddona, Peter, Menlo Park, CA, United States

Ghrayeb, John, Downingtown, PA, United States

Knight, David, Berwyn, PA, United States

Siegel, Scott, Westborough, MA, United States

PA Centocor, Inc., Malvern, PA, United States (U.S. corporation)

PI US 2001027249 A1 20011004

AI US 2001-756301 A1 20010108 (9)

RLI Division of Ser. No. US 1998-133119, filed on 12 Aug 1998, PENDING
Division of Ser. No. US 1995-570674, filed on 11 Dec 1995, ABANDONED
Continuation-in-part of Ser. No. US 1994-324799, filed on 18 Oct 1994, GRANTED, Pat. No. US 5698195 Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb 1994, GRANTED, Pat. No. US 5656272
Continuation-in-part of Ser. No. US 1994-192861, filed on 4 Feb 1994, GRANTED, Pat. No. US 5919452 Continuation-in-part of Ser. No. US 1994-192093, filed on 4 Feb 1994, PENDING Continuation-in-part of Ser. No. US 1993-10406, filed on 29 Jan 1993, ABANDONED Continuation-in-part of Ser. No. US 1993-13413, filed on 2 Feb 1993, ABANDONED
Continuation-in-part of Ser. No. US 1992-943852, filed on 11 Sep 1992, ABANDONED Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992, ABANDONED Continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991, ABANDONED

DT Utility

FS APPLICATION

LREP Carolyn S. Elmore, HAMILTON, BROOK, SMITH & REYNOLDS, P.C., Two Militia Drive, Lexington, MA, 02421-4799

CLMN Number of Claims: 55

ECL Exemplary Claim: 1

DRWN 37 Drawing Page(s)

LN.CNT 5577

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 60 OF 87 USPATFULL

AB Anti-TNF antibodies and anti-TNF peptides, specific for tumor necrosis factor (TNF) are useful for in vivo **diagnosis** and therapy of a number of TNF-mediated pathologies and conditions, as well as polynucleotides coding for anti-TNF murine and chimeric antibodies, peptides, methods of making and using the antibody or peptides in immunoassays and immuno-therapeutic approaches are provided, where the anti-TNF peptide is selected from a soluble portion of TNF receptor, an anti-TNF antibody or structural analog thereof.

AN 2001:147682 USPATFULL

TI Anti-TNF α antibodies and assays employing anti-TNF α antibodies

IN Le, Junming, Jackson Heights, NY, United States

Vilcek, Jan, New York, NY, United States

Dadonna, Peter, Palo Alto, CA, United States

Ghrayeb, John, Thorndale, PA, United States

Knight, David, Berwyn, PA, United States

Siegel, Scott A., Westborough, MA, United States

PA New York University Medical Center, New York, NY, United States (U.S. corporation)
Centocor, Inc., Malvern, PA, United States (U.S. corporation)
PI US 6284471 B1 20010904
AI US 1994-192093 19940204 (8)
RLI Continuation-in-part of Ser. No. US 1993-10406, filed on 29 Jan 1993, now abandoned Continuation-in-part of Ser. No. US 1993-13413, filed on 2 Feb 1993, now abandoned Continuation-in-part of Ser. No. US 1992-943852, filed on 11 Sep 1992, now abandoned Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992, now abandoned Continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Caputa, Anthony C.; Assistant Examiner: Canella, Karen A.
LREP Hamilton, Brook, Smith & Reynolds, P.C.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 48 Drawing Figure(s); 36 Drawing Page(s)
LN.CNT 5032
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 61 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in vivo **diagnosis** and therapy of a number of TNF.alpha.-mediated pathologies and conditions, as well as polynucleotides coding for murine and chimeric antibodies, methods of producing the antibody, methods of use of the anti-TNF antibody, or fragment, region or derivative thereof, in immunoassays and immunotherapeutic approaches are provided.
AN 2001:136770 USPATFULL
TI Anti-TNF antibodies and peptides of human tumor necrosis factor
IN Le, Junming, Jackson Heights, NY, United States
Vilcek, Jan, New York, NY, United States
Daddona, Peter, Menlo Park, CA, United States
Ghrayeb, John, Thorndale, PA, United States
Knight, David, Berwyn, PA, United States
Siegel, Scott, Westborough, MA, United States
PA New York University, New York, NY, United States (U.S. corporation)
Centocor, Inc., Malvern, PA, United States (U.S. corporation)
New York University Medical Center, New York, NY, United States (U.S. corporation)
PI US 6277969 B1 20010821
AI US 1998-133119 19980812 (9)
RLI Division of Ser. No. US 1995-570674, filed on 11 Dec 1995, now abandoned Continuation-in-part of Ser. No. US 1994-324799, filed on 18 Oct 1994, now patented, Pat. No. US 5698195, issued on 16 Dec 1997
Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb 1994, now patented, Pat. No. US 5656272, issued on 12 Aug 1997
Continuation-in-part of Ser. No. US 1994-192861, filed on 4 Feb 1994, now patented, Pat. No. US 5919452, issued on 6 Jul 1999
Continuation-in-part of Ser. No. US 1994-192093, filed on 4 Feb 1994
Continuation-in-part of Ser. No. US 1993-10406, filed on 29 Jan 1993, now abandoned Continuation-in-part of Ser. No. US 1993-13413, filed on 2 Feb 1993, now abandoned Continuation-in-part of Ser. No. US 1992-943852, filed on 11 Sep 1992, now abandoned Continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992, now abandoned Continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Caputa, Anthony C.; Assistant Examiner: Canella, Karen
LREP Hamilton, Brook, Smith & Reynolds, P.C.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1

DRWN 49 Drawing Figure(s); 37 Drawing Page(s)
LN.CNT 5429
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 62 OF 87 USPATFULL

AB In general, the invention features a recombinant endotoxin-neutralizing polypeptide (RENP) characterized by (i) an amino acid sequence, (ii) an amino acid sequence and structure that facilitates selective and specific binding to lipopolysaccharide and (iii) once bound to the lipopolysaccharide, provides endotoxin-neutralizing activity. Preferably, the RENP is composed of an amino acid sequence similar to, but not identical to, an amino acid sequence of BPI, LBP, or both. Preferably, the RENP contains an LPS-binding domain derived from the amino acid sequence of BPI, LBP, or both. Preferably, the RENPs are covalently bound to a molecule which enhances the half-life of the polypeptide. The RENPs of the invention can be used in pharmaceutical compositions for therapeutic and prophylactic regimens, as well as in various in vitro and in vivo diagnostic methods.

AN 2001:116793 USPATFULL

TI Recombinant endotoxin-neutralizing proteins

IN Scott, Randal W., Mountain View, CA, United States

Marra, Marian N., Redwood City, CA, United States

PA Incyte Pharmaceuticals, Inc., Palo Alto, CA, United States (U.S. corporation)

PI US 6265187 B1 20010724

AI US 1995-431517 19950501 (8)

RLI Continuation-in-part of Ser. No. WO 1994-US4709, filed on 29 Apr 1994
Continuation-in-part of Ser. No. US 915720, now patented, Pat. No. US 5770694
Continuation-in-part of Ser. No. US 1991-681551, filed on 5 Apr 1991, now patented, Pat. No. US 5171739, issued on 15 Dec 1992
Continuation-in-part of Ser. No. US 1990-567016, filed on 13 Aug 1990, now abandoned
Continuation-in-part of Ser. No. US 1990-468696, filed on 22 Jan 1990, now patented, Pat. No. US 5089274, issued on 18 Feb 1992
Continuation-in-part of Ser. No. US 1989-310842, filed on 14 Feb 1989, now abandoned, said Ser. No. WO US9404709
Continuation-in-part of Ser. No. US 1993-165717, filed on 10 Dec 1993, now abandoned
Continuation-in-part of Ser. No. US 1993-56292, filed on 30 Apr 1993, now abandoned
Continuation-in-part of Ser. No. US 567016
Continuation-in-part of Ser. No. US 468696
Continuation-in-part of Ser. No. US 310842

DT Utility

FS GRANTED

EXNAM Primary Examiner: Housel, James; Assistant Examiner: Baskar, Padma

LREP McAndrews, Held & Malloy, Ltd.

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN 43 Drawing Figure(s); 39 Drawing Page(s)

LN.CNT 2717

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 63 OF 87 USPATFULL

AB Methods and kits for detecting polymorphism that are predictive of a subject's susceptibility to developing **sepsis** are described.

AN 2001:97623 USPATFULL

TI Methods for diagnosing **sepsis**

IN di Giovine, Francesco Saverio, Sheffield, United Kingdom

Duff, Gordon W., South Yorks, United Kingdom

PA Interleukin Genetics, Inc., Waltham, MA, United States (U.S. corporation)

PI US 6251598 B1 20010626

AI US 1998-183850 19981030 (9)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Myers, Carla J.

LREP Arnold, Esq., Beth E., Quisel, JohnFoley, Hoag & Elliott LLP
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1287
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 64 OF 87 USPATFULL

AB The present invention provides a number of screening methods for evaluating compounds capable of suppressing cytokine production either in vitro or in vivo. The methods generally involve stimulating the production of a cytokine in a cell, exposing a portion of the cells to a putative cytokine modulating agent and determining subsequent levels of cytokine production in the cells. Additionally, the present invention provides certain compounds identified by this method.

AN 2001:25458 USPATFULL

TI Methods for treating inflammatory conditions

IN Mak, Vivien H. W., Menlo Park, CA, United States

PA Adolor Corporation, Malvern, PA, United States (U.S. corporation)

PI US 6190691 B1 20010220

AI US 1998-97440 19980615 (9)

RLI Continuation of Ser. No. US 1995-463819, filed on 5 Jun 1995, now abandoned Continuation-in-part of Ser. No. US 1995-400234, filed on 3 Mar 1995, now abandoned Continuation-in-part of Ser. No. US 1994-271287, filed on 6 Jul 1994, now abandoned Continuation-in-part of Ser. No. US 1994-225991, filed on 12 Apr 1994, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Brouillette, D. Gabrielle

LREP Seidman, Stephanie L.Heller Ehrman White & McAuliffe

CLMN Number of Claims: 35

ECL Exemplary Claim: 1

DRWN 6 Drawing Figure(s); 3 Drawing Page(s)

LN.CNT 5240

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 65 OF 87 CAPLUS COPYRIGHT 2002 ACS

AB The authors disclose a method of **diagnosis** of onset of **endotoxemia** or **sepsis** due to Gram neg. bacterial infection comprising monitoring of the degree of AP occupancy of lipopolysaccharide (LPS) binding sites on **alk. phosphatase** in a sample of tissue or fluid derived from a patient, wherein the degree of AP occupancy is assocd. with presence or absence of Gram neg. bacterial infection. The authors disclose a kit comprising **alk. phosphatase** LPS binding site binding ligand and instructions for carrying out an assay according to any of the preceding claims and optionally any addnl. components required for such assay e.g. detectable marker, buffer, containers and comparative samples or data charts e.g. std. curves or data concerning relevant data of **alk. phosphatase** values. The authors describe a method for therapy of **endotoxemia** or **sepsis** said method comprising administration of a pharmaceutically effective amt. of the LPS binding site of **alk. phosphatase** in a systematically acceptable form with the proviso the ligand is neither **alk. phosphatase** nor a deriv. of **alk. phosphatase** having dephosphorylating activity. The authors propose a method for removing LPS from tissue or fluid said method comprising contacting the LPS binding site of **alk. phosphatase** with the tissue or fluid to be treated followed by sepn. of the LPS binding site and the tissue or fluid after the LPS binding site has bound the LPS present in the fluid or tissue, with the proviso the ligand is neither **alk. phosphatase** nor a deriv. of **alk. phosphatase** having dephosphorylating activity. A method of purifn. of AP itself from tissue or body fluids or other biol. prodn. systems with a compd. with an

LPS binding site of **alk. phosphatase** such as LPS,
lipid A or other ligand as described in the preceding claims is disclosed.

AN 2000:442019 CAPLUS

DN 133:55309

TI **Diagnosis** and therapy of **sepsis** using the LPS-binding
moiety of **alkaline phosphatase** and a method of
purification of **alkaline phosphatase** using LPS

IN Poelstra, Klaas; Meijer, Dirk Klaas Fokke; Man In 't Veld, Arie Jacob

PA Stichting Voor De Technische Wetenschappen, Neth.; Rijksuniversiteit
Groningen

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000037943	A1	20000629	WO 1998-NL722	19981221
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9917869	A1	20000712	AU 1999-17869	19981221
	EP 1141717	A1	20011010	EP 1998-962694	19981221
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

PRAI WO 1998-NL722 A 19981221

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 66 OF 87 USPATFULL

AB A method for prophylactically or therapeutically treating **sepsis**
or septic shock is described, wherein an inhibitor to tissue factor is
administered to septic patients. Additionally, a method for treating
inflammation is described wherein the inhibitor is administered to
pateints. This inhibitor is termed lipoprotein associated coagulation
inhibitor, or commonly LACI. It is 38 kD and has 276 amino acids. LACI
has now been shown to be useful for the treatment of **sepsis**,
septic shock and inflammation.

AN 2000:61580 USPATFULL

TI Method for using lipoprotein associated coagulation inhibitor to treat
sepsis

IN Creasey, Abba A., Piedmont, CA, United States

Broze, George J., Ladue, MO, United States

PA Washington University & Chiron Corp., United States (U.S. corporation)

PI US 6063764 20000516

AI US 1995-472761 19950607 (8)

RLI Continuation-in-part of Ser. No. US 1994-224118, filed on 29 Mar 1994,
now abandoned which is a continuation of Ser. No. US 1993-20427, filed
on 22 Feb 1993, now abandoned which is a continuation-in-part of Ser.
No. US 1992-897135, filed on 11 Jun 1992, now abandoned And a
continuation-in-part of Ser. No. US 1994-253427, filed on 2 Jun 1994,
now abandoned which is a continuation of Ser. No. US 1993-4505, filed on
13 Jan 1993, now abandoned which is a continuation-in-part of Ser. No.
US 1992-891947, filed on 1 Jun 1992, now abandoned And a
continuation-in-part of Ser. No. US 1994-270455, filed on 5 Jul 1994,
now abandoned which is a continuation of Ser. No. US 1992-891947, filed
on 1 Jun 1992, now abandoned

DT Utility

FS Granted
EXNAM Primary Examiner: Tsang, Cecilia; Assistant Examiner:
Delacroix-Muirheid, C.
LREP Banner & Witcoff, Ltd.
CLMN Number of Claims: 45
ECL Exemplary Claim: 1
DRWN 14 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 2568
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 67 OF 87 USPATFULL

AB Diagnostics and treatments for bacterial infection are disclosed. The treatments prevent bacteria from adhering to host cells by interfering with the binding of the bacteria to cell receptors. Compounds that inhibit bacterial adherence to cells are engineered to be readily modified for best efficacy with different modes of treatment. The compounds can be readily modified for use to identify bacteria according to their cell binding specificities.
AN 1999:159997 USPATFULL
TI Compounds that bind bacterial pili
IN Shekhani, Mohammed Saleh, Madison, WI, United States
Firca, Joseph R., Vernon Hills, IL, United States
Anderson, Byron, Morton Grove, IL, United States
PA Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)
PI US 5998381 19991207
AI US 1996-760903 19961206 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Peselev, Elli
LREP Medlen & Carroll, LLP
CLMN Number of Claims: 24
ECL Exemplary Claim: 5
DRWN 23 Drawing Figure(s); 25 Drawing Page(s)
LN.CNT 6570
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 68 OF 87 USPATFULL

AB The present invention novel member of the tumor necrosis factor (TNF) family of cytokines. In particular, isolated nucleic acid molecules are provided encoding the endokine alpha protein. Endokine alpha polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. Also provided are diagnostic and therapeutic methods concerning TNF family-related disorders.
AN 1999:159787 USPATFULL
TI Polynucleotides encoding human endokine alpha
IN Yu, Guo-Liang, Darnestown, MD, United States
Ni, Jian, Rockville, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)
PI US 5998171 19991207
AI US 1997-912227 19970815 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Draper, Garnette D.
LREP Sterne, Kessler, Goldstein & Fox P.L.L.C.
CLMN Number of Claims: 99
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 2617
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 69 OF 87 USPATFULL

AB The present invention provides a number of screening methods for evaluating compounds capable of suppressing cytokine production either in vitro or in vivo. The methods generally involve stimulating the production of a cytokine in a cell, exposing a portion of the cells to a putative cytokine modulating agent and determining subsequent levels of cytokine production in the cells. Additionally, the present invention provides certain compounds identified by this method.

AN 1999:121379 USPATFULL

TI Screening methods for cytokine inhibitors

IN Mak, Vivian, Menlo Park, CA, United States

PA Adolor Corporation, Malvern, PA, United States (U.S. corporation)

PI US 5962477 19991005

AI US 1998-97441 19980615 (9)

RLI Continuation-in-part of Ser. No. WO 1995-US4677, filed on 11 Apr 1995 which is a continuation-in-part of Ser. No. US 1995-400234, filed on 3 Mar 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-271287, filed on 6 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-225991, filed on 12 Apr 1994, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Tsang, Cecilia J.

LREP Seidman, Stephanie L.Heller Ehrman White & McAuliffe

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN 6 Drawing Figure(s); 3 Drawing Page(s)

LN.CNT 5138

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 70 OF 87 USPATFULL

AB The present invention relates to compositions and methods for neutralizing lipopolysaccharide, and treatment of gram-negative **sepsis** based therein. Accordingly, the invention is directed to a composition of homogeneous particles comprising phospholipids and a lipid exchange protein, such as phospholipid transfer protein or LPS binding protein. The lipid exchange protein is characterized by being capable of facilitating an exchange protein of lipopolysaccharide into the particles. In a specific embodiment, exemplified herein, the lipid particles are high density lipoprotein particles comprising apolipoprotein A-I (apo A-I), a phospholipid, and cholesterol or a lipid bilayer binding derivative thereof. In a specific example, the phospholipid is phosphatidylcholine (PC). In a specific example, the ratio of phosphatidylcholine:cholesterol:apolipoprotein A-I is approximately 80:4:1. The levels of LPS exchange protein activity in a sample from a patient provides a diagnostic, monitoring, or prognostic indicator for a subject with **endotoxemia**, gram-negative **sepsis**, or septic shock.

AN 1999:89112 USPATFULL

TI Compositions for neutralization of lipopolysaccharides

IN Wright, Samuel D., Larchmont, NY, United States

Wurfel, Mark M., New York, NY, United States

Hailman, Peter Eric, New York, NY, United States

PA The Rockefeller University, New York, NY, United States (U.S. corporation)

PI US 5932536 19990803

AI US 1994-337611 19941110 (8)

RLI Continuation-in-part of Ser. No. US 1994-259957, filed on 14 Jun 1994, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Tsang, Cecilia J.; Assistant Examiner: Mohamed, Abdel A.

LREP Klauber & Jackson

CLMN Number of Claims: 38

ECL Exemplary Claim: 1
DRWN 23 Drawing Figure(s); 22 Drawing Page(s)
LN.CNT 2132
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 71 OF 87 USPATFULL

AB The present invention relates to compositions and methods for neutralizing lipopolysaccharide, and treatment of gram-negative **sepsis** based thereon. Accordingly, the invention is directed to a composition of homogeneous particles comprising phospholipids and a lipid exchange protein, such as phospholipid transfer protein or LPS binding protein. The lipid exchange protein is characterized by being capable of facilitating an exchange of lipopolysaccharide into the particles. In a specific embodiment, exemplified herein, the lipid particles are high density lipoprotein particles comprising apolipoprotein A-I (apo A-I), a phospholipid, and cholesterol or a lipid bilayer binding derivative thereof. In a specific example, the phospholipid is phosphatidylcholine (PC). In a specific example, the ratio of phosphatidylcholine: cholesterol: apolipoprotein A-I is approximately 80:4:1. The level of LPS exchange protein activity in a sample from a patient provides a diagnostic, monitoring, or prognostic indicator for a subject with **endotoxemia**, gram-negative **sepsis**, or septic shock.

AN 1999:84975 USPATFULL

TI Compositions for neutralization of lipopolysaccharides

IN Wright, Samuel D., Westfield, NJ, United States

Wurfel, Mark M., New York, NY, United States

Hailman, Peter Eric, New York, NY, United States

PA The Rockefeller University, New York, NY, United States (U.S. corporation)

PI US 5928624 19990727

WO 9534289 19951221

AI US 1996-750697 19961216 (8)

WO 1995-US7903 19950607

19961216 PCT 371 date

19961216 PCT 102(e) date

RLI Continuation-in-part of Ser. No. US 1994-337611, filed on 10 Nov 1994 which is a continuation-in-part of Ser. No. US 1994-259957, filed on 14 Jun 1994, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Kishore, Gollamudi S.

LREP Klauber & Jackson

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN 33 Drawing Figure(s); 32 Drawing Page(s)

LN.CNT 2562

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 72 OF 87 USPATFULL

AB Treatment of tumor necrosis factor, TNF, mediated pathologies is provided by administering anti-TNF compounds, such as anti-TNF antibodies and anti-TNF peptides, which compounds are specific for tumor necrosis factor-.alpha. (TNF.alpha.) or tumor necrosis factor-.beta. (TNF.beta.) and which are useful for in vivo therapy or **diagnosis** of TNF.alpha.-mediated pathologies and conditions, wherein the anti-TNF compound is selected from the group consisting of at least one of an immunoglobulin variable region, a fragment of a TNF receptor and an anti-TNF peptide, such as a structural analog of a anti-TNF antibody fragment or a TNF receptor fragment.

AN 1999:75310 USPATFULL

TI Methods of treating TNF.alpha.-mediated disease using chimeric anti-TNF antibodies

IN Le, Junming, Jackson Heights, NY, United States

Vilcek, Jan, New York, NY, United States
Dadonna, Peter, Palo Alto, CA, United States
Ghrayeb, John, Thorndale, PA, United States
Knight, David, Berwyn, PA, United States
Seigal, Scott, Westborough, MA, United States
PA New York University, New York, NY, United States (U.S. corporation)
Centocor, Inc., Malvern, PA, United States (U.S. corporation)
PI US 5919452 19990706
AI US 1994-192861 19940204 (8)
RLI Continuation-in-part of Ser. No. US 1993-10406, filed on 29 Jan 1993,
now abandoned And Ser. No. US 1993-13413, filed on 2 Feb 1993, now
abandoned which is a continuation-in-part of Ser. No. US 1992-943852,
filed on 11 Sep 1992, now abandoned which is a continuation-in-part of
Ser. No. US 1992-853606, filed on 18 Mar 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991,
now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Scheiner, Toni R.; Assistant Examiner: Johnson, Nancy
A.
LREP Hamilton, Brook, Smith & Reynolds, P.C.
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 48 Drawing Figure(s); 36 Drawing Page(s)
LN.CNT 5351
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 73 OF 87 USPATFULL

AB The invention provides monoclonal antibodies (Mabs) which are
cross-protective against **endotoxemia** caused by at least two
different Gram-negative bacterial strains having different core
structures; and methods of production of these antibodies. By use of the
Kohler/Milstein procedure involving immunization of mice with a number
of different rough strains of heat-killed Gram-negative bacteria,
followed by fusion and proper screening of the resulting hybridomas,
such murine MABs are obtained. The murine MABs may be chimerized or
humanized by known methods. For example, a chimeric MAB of IgG isotype
is provided in which the hypervariable regions of the heavy chain have
the amino acid sequences: Asp Tyr Tyr Met Thr; Leu Ile Arg Asn Lys Arg
Asn Gly Asp Thr Ala Glu Tyr Ser Ala Ser Val Lys; and Gln Gly Arg Gly Tyr
Thr Leu Asp Tyr; the hypervariable regions of the light chain have the
amino acid sequences: Arg Ala Ser Gln Asn Ile Asn Ile Trp Leu Ser; Lys
Ala Ser Asn Leu His Thr; and Leu Gln Gly Gln Ser Tyr Pro Arg Thr; the
framework regions in the variable domains are murine and the constant
domains are human.
AN 1999:4392 USPATFULL
TI Monoclonal antibody against LPS core
IN Gram, Hermann, Weil-Haltingen, Germany, Federal Republic of
Di Padova, Franco, Birsfelden, Switzerland
Barclay, George Robin, Midlothian, United Kingdom
Poxton, Ian Raymond, Midlothian, United Kingdom
PA Common Services Agency, United States (non-U.S. corporation)
PI US 5858728 19990112
AI US 1996-647144 19960509 (8)
RLI Continuation of Ser. No. US 1993-119046, filed on 30 Sep 1993, now
abandoned
PRAI GB 1991-5292 19910313
DT Utility
FS Granted
EXNAM Primary Examiner: Loring, Susan A.
LREP Bell Seltzer Intellectual Property Law Group of Alston & Bird LLP
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 10 Drawing Page(s)

LN.CNT 2426

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 74 OF 87 USPATFULL

AB The present invention provides a first polypeptide fragment of lipopolysaccharide (LPS) binding protein (LBP) which binds to lipopolysaccharide, but prevents the LPS:LBP complex from either transferring LPS to CD14 or promoting the formation of an LPS:CD14 complex and a second polypeptide fragment of LBP which binds to CD14 receptor to inhibit binding of LPS:LBP complex to the CD14 receptor. Also included are methods of ameliorating symptoms of **sepsis** in a subject by administration of a LBP polypeptide of the invention, or administration of antibody to LBP polypeptide or anti-idiotypic antibody.

AN 1998:144206 USPATFULL

TI Polypeptides of lipopolysaccharide binding protein

IN Han, Jiahuai, La Jolla, CA, United States

Ulevitch, Richard J., Del Mar, CA, United States

Tobias, Peter S., San Diego, CA, United States

PA The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

PI US 5837810 19981117

AI US 1994-215089 19940315 (8)

DT Utility

FS Granted

EXNAM Primary Examiner: Hutzell, Paula K.; Assistant Examiner: Johnson, Nancy A.

LREP Fish & Richardson, P.C.

CLMN Number of Claims: 1

ECL Exemplary Claim: 1

DRWN 11 Drawing Figure(s); 10 Drawing Page(s)

LN.CNT 1162

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 75 OF 87 USPATFULL

AB Cell lines have been produced that secrete human monoclonal antibodies capable of binding to molecules of different bacterial species. These antibodies have been found to be protective against lethal challenges of various bacterial genera. Pharmaceutical compositions containing these antibodies, which can be in combination with other monoclonal antibodies, blood plasma fractions and antimicrobial agents, and the prophylactic and therapeutic use of such compositions in the management of infections are included. Prior to filing of this patent application the continuous transformed human cell lines 9B10, 4F10, 4B9, 7D7, and 9C3, described herein, were deposited in the American Type Culture Collection and given the designations CRL 9006, CRL 9007, CRL 9008, CRL 9009, and CRL 9239, respectively.

AN 1998:143944 USPATFULL

TI Cross-protective human monoclonal antibody compositions

IN Raff, Howard V., Seattle, WA, United States

PA Bristol-Myers Squibb Company, New York, NY, United States (U.S. corporation)

PI US 5837541 19981117

AI US 1995-464495 19950605 (8)

RLI Division of Ser. No. US 1994-300118, filed on 2 Sep 1994, now patented, Pat. No. US 5717071 which is a continuation of Ser. No. US 1993-58987, filed on 5 May 1993, now abandoned which is a continuation of Ser. No. US 1991-785184, filed on 31 Oct 1991, now abandoned which is a continuation of Ser. No. US 1986-944495, filed on 19 Dec 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-828005, filed on 7 Feb 1986, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Loring, Susan A.

LREP Townsend and Townsend and Crew LLP

CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2418
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 76 OF 87 USPATFULL

AB The present invention provides a method for quantifying the presence of extracellular BPI in body fluids including blood in a subject comprising conducting a BPI immunoassay on body fluid sample obtained from said subject.

AN 1998:124395 USPATFULL

TI Method of screening for an active inflammatory state by determining the concentration of extracellular BPI

IN White, Mark Leslie, Sonoma, CA, United States
Carroll, Stephen Fitzhugh, Walnut Creek, CA, United States
Ma, Jeremy Kam-kuen, San Ramon, CA, United States

PA XOMA Corporation, Berkeley, CA, United States (U.S. corporation)

PI US 5821064 19981013

AI US 1994-310961 19940922 (8)

RLI Continuation-in-part of Ser. No. US 1993-175276, filed on 29 Dec 1993, now patented, Pat. No. US 5466581 which is a continuation-in-part of Ser. No. US 1993-125677, filed on 22 Sep 1993, now patented, Pat. No. US 5466580

DT Utility

FS Granted

EXNAM Primary Examiner: Allen, Marianne P.; Assistant Examiner: Duffy, Patricia A.

LREP Marshall, O'Toole, Gerstein, Murray & Borun

CLMN Number of Claims: 6

ECL Exemplary Claim: 1

DRWN 18 Drawing Figure(s); 17 Drawing Page(s)

LN.CNT 823

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 77 OF 87 USPATFULL

AB This invention provides monoclonal antibodies that bind to the cell surface CD14 receptor and soluble CD14 receptor. The antibodies are useful for the detection of the presence of cell surface and soluble CD14 in a sample. Chimeric and CDR grafted antibodies generated from the above monoclonal antibodies are further provided. Pharmaceutical compositions containing the above biological compositions are provided. These are useful to treat and prevent LPS-associated disorders, such as **sepsis**.

AN 1998:124192 USPATFULL

TI Methods and compositions for inhibiting CD14 mediated cell activation

IN Leturcq, Didier J., San Diego, CA, United States
Moriarty, Ann M., Poway, CA, United States
Ulevitch, Richard J., Del Mar, CA, United States
Tobias, Peter S., San Diego, CA, United States
Mathison, John C., San Diego, CA, United States

PA The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

PI US 5820858 19981013
WO 9428025 19941208

AI US 1995-373297 19950123 (8)
WO 1994-US5898 19940527
19950123 PCT 371 date
19950123 PCT 102(e) date

RLI Continuation-in-part of Ser. No. US 1993-70160, filed on 28 May 1993, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Caputa, Anthony C.; Assistant Examiner: Navarro, Mark

LREP Fish & Richardson P.C.
CLMN Number of Claims: 59
ECL Exemplary Claim: 1
DRWN 53 Drawing Figure(s); 28 Drawing Page(s)
LN.CNT 1867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 78 OF 87 USPATFULL

AB Cell lines have been produced that secrete human monoclonal antibodies capable of binding to molecules of different bacterial species. These antibodies have been found to be protective against lethal challenges of various bacterial genera. Pharmaceutical compositions containing these antibodies, which can be in combination with other monoclonal antibodies, blood plasma fractions and antimicrobial agents, and the prophylactic and therapeutic use of such compositions in the management of infections are included. Prior to filing of this patent application the continuous transformed human cell lines 9B10, 4F10, 4B9, 7D7, and 9C3, described herein, were deposited in the American Type Culture Collection and given the designations CRL 9006, CRL 9007, CRL 9008, CRL 9009, and CRL 9239, respectively.

AN 1998:14914 USPATFULL

TI Cross-protective human monoclonal antibody compositions

IN Raff, Howard V., Seattle, WA, United States

PA Bristol-Myers Squibb Company, New York, NY, United States (U.S. corporation)

PI US 5717071 19980210

AI US 1994-300118 19940902 (8)

RLI Continuation of Ser. No. US 1993-58987, filed on 5 May 1993, now abandoned which is a continuation of Ser. No. US 1991-785184, filed on 31 Oct 1991, now abandoned which is a continuation of Ser. No. US 1986-944495, filed on 19 Dec 1986, now abandoned which is a continuation-in-part of Ser. No. US 1986-828005, filed on 7 Feb 1986, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Loring, Susan A.

LREP Townsend and Townsend and Crew LLP

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2398

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 79 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in vivo for **diagnosis** and therapy of a number of TNF.alpha.-mediated pathologies and conditions, including rheumatoid arthritis as well as polynucleotides coding for murine and chimeric antibodies, methods of producing the antibody, methods of use of the anti-TNF antibody, or fragment, region or derivative thereof, in immunoassays and immunotherapeutic approaches are provided.

AN 97:117693 USPATFULL

TI Methods of treating rheumatoid arthritis using chimeric anti-TNF antibodies

IN Le, Junming, Jackson Heights, NY, United States

Vilcek, Jan, New York, NY, United States

Daddona, Peter, Menlo Park, CA, United States

Ghrayeb, John, Thorndale, PA, United States

Knight, David, Berwyn, PA, United States

Siegel, Scott, Westborough, MA, United States

PA New York University Medical Center, New York, NY, United States (U.S. corporation)

Centocor, Inc., Malvern, PA, United States (U.S. corporation)

PI US 5698195 19971216
AI US 1994-324799 19941018 (8)
RLI Continuation-in-part of Ser. No. US 1994-192102, filed on 4 Feb 1994
Ser. No. Ser. No. US 1994-192061, filed on 4 Feb 1994, now abandoned And
Ser. No. US 1994-192093, filed on 4 Feb 1994, now abandoned , each Ser.
No. US - which is a continuation-in-part of Ser. No. US 1993-10406,
filed on 29 Jan 1993, now abandoned And Ser. No. US 1993-13413, filed on
2 Feb 1993, now abandoned which is a continuation-in-part of Ser. No. US
1992-943852, filed on 11 Sep 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-853606, filed on 18 Mar 1992,
now abandoned which is a continuation-in-part of Ser. No. US
1991-670827, filed on 18 Mar 1991, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Feisee, Lila; Assistant Examiner: Lucas, John
LREP Hamilton, Brook, Smith & Reynolds, P.C.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 33 Drawing Figure(s); 36 Drawing Page(s)
LN.CNT 5887
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 80 OF 87 USPATFULL

AB Anti-TNF antibodies, fragments and regions thereof which are specific
for human tumor necrosis factor-.alpha. (TNF.alpha.) and are useful in
vivo for **diagnosis** and therapy of a number of
TNF.alpha.-mediated pathologies and conditions, including Crohn's
disease, as well as polynucleotides coding for murine and chimeric
antibodies, methods of producing the antibody, methods of use of the
anti-TNF antibody, or fragment, region or derivative thereof, in
immunoassays and immunotherapeutic approaches are provided.
AN 97:70718 USPATFULL
TI Methods of treating TNF-.alpha.-mediated Crohn's disease using chimeric
anti-TNF antibodies
IN Le, Junming, Jackson Heights, NY, United States
Vilcek, Jan, New York, NY, United States
Dadonna, Peter, Palo Alto, CA, United States
Ghrayeb, John, Thorndale, PA, United States
Knight, David, Berwyn, PA, United States
Siegel, Scott A., Westborough, MA, United States
PA New York University Medical Center, New York, NY, United States (U.S.
corporation)
Centocor, Inc., Malvern, PA, United States (U.S. corporation)
PI US 5656272 19970812
AI US 1994-192102 19940204 (8)
RLI Continuation-in-part of Ser. No. US 1993-10406, filed on 26 Jan 1993,
now abandoned And Ser. No. US 1993-13413, filed on 2 Feb 1993, now
abandoned which is a continuation-in-part of Ser. No. US 1992-943852,
filed on 11 Sep 1992, now abandoned which is a continuation-in-part of
Ser. No. US 1992-853606, filed on 18 Mar 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1991-670827, filed on 18 Mar 1991,
now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Feisee, Lila; Assistant Examiner: Lucas, John
LREP Hamilton, Brook, Smith & Reynolds, P.C.
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 48 Drawing Figure(s); 36 Drawing Page(s)
LN.CNT 5251
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 81 OF 87 USPATFULL

AB Compositions and methods for the treatment and **diagnosis** of

lipopolysaccharide-related conditions and coagulant-related disease are provided. Compositions include polypeptides which are identical or homologous to a certain cationic protein (CAP18) obtained from mammalian granulocytes, particularly including a reactive nitrogen inhibiting peptide (RNIP) fragment found at the carboxyl-terminus of CAP18. Polypeptides are capable of binding to LPS and inhibiting LPS-mediated activation of macrophage, as well as interfering with the clotting cascade to inhibit coagulation in conditions such as disseminated intravascular coagulation. Compositions comprising the polypeptides in a suitable pharmaceutical carrier are also provided.

AN 97:29335 USPATFULL
TI Methods and compositions for detecting lipopolysaccharides using CAP18 fragments
IN Larrick, James W., Woodside, CA, United States
Wright, Susan C., Saratoga, CA, United States
PA Panorama Research, Inc., Mountain View, CA, United States (U.S. corporation)
PI US 5618675 19970408
AI US 1994-313681 19940927 (8)
RLI Continuation-in-part of Ser. No. US 1992-916961, filed on 16 Jul 1992, now patented, Pat. No. US 5277707 And Ser. No. US 1992-916765, filed on 17 Jul 1992, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Housel, James C.; Assistant Examiner: Portner, Ginny Allen
LREP Townsend & Townsend & Crew LLP
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN 35 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 1963
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 82 OF 87 USPATFULL

AB Compositions and methods are described for preventing and treating **sepsis** in humans and other animals. Surgical patients, low birth weight infants, burn and trauma victims, as well as other individuals at risk can be treated prophylactically. Methods for treating acute infections with advantages over current therapeutic approaches are provided. Conjugates and methods of making conjugates for the prevention and treatment of **sepsis** are described.

AN 96:72966 USPATFULL
TI Conjugates for the prevention and treatment of **sepsis**
IN Carroll, Sean B., Cottage Grove, WI, United States
Firca, Joseph R., Vernon Hills, IL, United States
Pugh, Charles, Madison, WI, United States
Padhye, Nisha V., Madison, WI, United States
PA Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)
PI US 5545721 19960813
AI US 1993-169701 19931217 (8)
RLI Continuation-in-part of Ser. No. US 1992-995388, filed on 21 Dec 1992, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Chan, Christina Y.; Assistant Examiner: Eisenschenk, Frank C.
LREP Medlen & Carroll
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 16 Drawing Page(s)
LN.CNT 4769
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 83 OF 87 USPATFULL

AB The present invention provides an immunoassay method for screening for gram negative **sepsis** in a subject, in which the concentration of extracellular BPI in a plasma sample from the subject is determined and compared with a standard concentration of BPI indicative of gram negative **sepsis**.

AN 95:101115 USPATFULL

TI Method for quantifying BPI in body fluids

IN White, Mark L., Sonoma, CA, United States
Carroll, Stephen F., Walnut Creek, CA, United States
Ma, Jeremy K.-k., San Ramon, CA, United States

PA XOMA Corporation, Berkeley, CA, United States (U.S. corporation)

PI US 5466581 19951114

AI US 1993-175276 19931229 (8)

RLI Continuation-in-part of Ser. No. US 1993-125677, filed on 22 Sep 1993

DT Utility

FS Granted

EXNAM Primary Examiner: Scheiner, Toni R.; Assistant Examiner: Wilson, Eve J.

LREP Marshall, O'Toole, Gerstein, Murray & Borun

CLMN Number of Claims: 3

ECL Exemplary Claim: 1

DRWN 15 Drawing Figure(s); 14 Drawing Page(s)

LN.CNT 697

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 84 OF 87 USPATFULL

AB The present invention provides a method for preventing endotoxin-associated shock in a subject which comprises administering to the subject an amount of a BPI protein effective to bind to endotoxin so as to prevent endotoxin associated shock in the subject. This invention further provides a method for treating a subject suffering from endotoxin-associated shock which comprises administering to the subject an amount of a BPI protein effective to bind endotoxin so as to treat the subject suffering from endotoxin-associated shock.

AN 94:66475 USPATFULL

TI Recombinant, non-glycosylated bpi protein and uses thereof

IN Scott, Randal W., Cupertino, CA, United States
Marra, Marian N., San Mateo, CA, United States

PA INCYTE Pharmaceuticals, Inc., Palo Alto, CA, United States (U.S. corporation)

PI US 5334584 19940802

AI US 1992-990044 19921214 (7)

DCD 20090218

RLI Continuation of Ser. No. US 1991-681551, filed on 5 Apr 1991, now patented, Pat. No. US 5171739 which is a continuation-in-part of Ser. No. US 1990-567016, filed on 13 Aug 1990 which is a continuation-in-part of Ser. No. US 1990-468696, filed on 19 Jan 1990, now patented, Pat. No. US 5089274 which is a continuation-in-part of Ser. No. US 1989-310842, filed on 14 Feb 1989, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Wityshyn, Michael G.; Assistant Examiner: Koh, Choon P.

LREP White, John P.

CLMN Number of Claims: 30

ECL Exemplary Claim: 1

DRWN 53 Drawing Figure(s); 53 Drawing Page(s)

LN.CNT 2041

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 85 OF 87 USPATFULL

AB The present invention provides a method for preventing endotoxin-associated shock in a subject which comprises administering to the subject an amount of a BPI protein effective to bind to endotoxin so

as to prevent endotoxin associated shock in the subject. This invention further provides a method for treating a subject suffering from endotoxin-associated shock which comprises administering to the subject an amount of a BPI protein effective to bind endotoxin so as to treat the subject suffering from endotoxin-associated shock.

AN 94:37931 USPATFULL
TI Treatment of endotoxin-associated shock and prevention thereof using a BPI protein
IN Scott, Randal W., Cupertino, CA, United States
Marra, Marian N., San Mateo, CA, United States
PA Incyte Pharmaceuticals, Inc., Palo Alto, CA, United States (U.S. corporation)
PI US 5308834 19940503
AI US 1992-990662 19921214 (7)
DCD 20091215
RLI Division of Ser. No. US 1991-681551, filed on 5 Apr 1991, now patented, Pat. No. US 5171739 which is a continuation-in-part of Ser. No. US 1990-567016, filed on 13 Aug 1990 which is a continuation-in-part of Ser. No. US 1990-468696, filed on 22 Jan 1990, now patented, Pat. No. US 5089274 which is a continuation-in-part of Ser. No. US 1989-310842, filed on 14 Feb 1989, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Wityshyn, Michael G.; Assistant Examiner: Koh, Choon
LREP White, John P.
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN 45 Drawing Figure(s); 53 Drawing Page(s)
LN.CNT 1924
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 86 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AB This study was designed to evaluate the effects of endotoxin infusion (0.25 mg/kg) over a 4-hr period on renal function and tubular enzyme activity. Endotoxin administration resulted in a decrease in blood pressure, osmolar clearance, and creatinine clearance ($P < 0.05$). The enzyme activities of **alkaline phosphatase** (ALP) and lactic dehydrogenase (LDH) in the urine increased, as did the serum creatinine ($P < 0.05$). There were no significant changes in the renal artery flow, urinary output, heart rate, serum electrolytes, and serum enzyme activities. In contrast, in the saline control group, the renal artery flow increased ($P < 0.05$), whereas the serum creatinine, urinary ALP, and urinary LDH decreased over time. All other parameters remained relatively stable. These data suggest that an increase in urinary enzyme activity reflects compromised renal function and is independent of the renal artery flow. This may have clinical application in detecting early renal damage due to **endotoxemia** or **sepsis**.

AN 1990:377447 BIOSIS
DN BA90:64128
TI ENDOTOXIN-INDUCED ALTERATIONS IN RENAL FUNCTION WITH PARTICULAR REFERENCE TO TUBULAR ENZYME ACTIVITY.
AU RAO P S; CAVANAGH D M; FIORICA J V; SPAZIANI E
CS DEP. OBSTET. GYNECOL., UNIV. SOUTH FLA. COLL. MED., BOX 18, 12901 BRUCE B. DOWNS BLVD., TAMPA, FLA. 33612-4799.
SO CIRC SHOCK, (1990) 31 (3), 333-342.
CODEN: CRSHAG. ISSN: 0092-6213.
FS BA; OLD
LA English

L12 ANSWER 87 OF 87 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AB Studies of the clinical value of the limulus amebocyte lysate test for the detection of **endotoxemia** are inconsistent. In an attempt to define the value of this test, a total of 237 plasma samples from 111 patients were tested for endotoxin with seven different lysate

preparations. A total of 48 plasma samples yielded a positive test with one or more of the seven preparations. Two of eight samples positive with all seven preparations were from ambulatory patients. A significant positive correlation of the test with bacteremia, neutrophilia and elevated serum **alkaline phosphatase** was found. Only three of the 48 positive tests occurred by four hours of incubation, and only 12 were associated with positive blood cultures (eight contained gram negative bacteria). The test now available has no clinical usefulness in the detection of **endotoxemia** or gram negative septicemia.

AN 76138662 EMBASE
 DN 1976138662
 TI Lack of clinical usefulness of the limulus test in the **diagnosis**
 of **endotoxemia**.
 AU Elin R.J.; Robinson R.A.; Levine A.S.; Wolff S.M.
 CS Lab. Clin. Invest., Nat. Inst. Allergy Infect. Dis., NIH, Bethesda, Md.
 20014, United States
 SO New England Journal of Medicine, (1975) 293/11 (521-524).
 CODEN: NEJMAG
 DT Journal
 FS 006 Internal Medicine
 004 Microbiology
 009 Surgery
 LA English

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FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
 USPATFULL, JAPIO' ENTERED AT 12:57:52 ON 03 OCT 2002

L1 136516 S SEPSIS
 L2 240935 S ALKALINE PHOSPHATASE
 L3 211073 S LIPOPOLYSACCHARIDE

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
 USPATFULL, JAPIO' ENTERED AT 13:10:07 ON 03 OCT 2002

L4 136516 S SEPSIS
 L5 21431 S ENDOTOXEMIA
 L6 21 S ALKALINE PHOSPHATASE
 L7 240935 S ALKALINE PHOSPHATASE
 L8 211087 S LIPOPOLYSACCHARIDE?
 L9 5719 S L4 AND L5
 L10 148 S L9 AND L7
 L11 87 S L10 AND DIAGNOSIS
 L12 87 DUP REM L11 (0 DUPLICATES REMOVED)

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